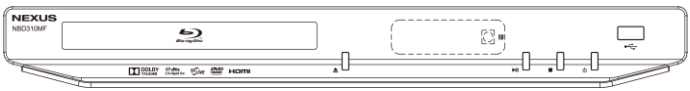
NEXUS

USER MANUAL

DVD BLU-RAY PLAYER

MODEL: NBD310MF



Contents

Safety and Maintenance..... 2
Security Instructions.....2
DVD Blu-ray Display.....4
Remote Control.....5
-Remote Control Batteries..... 6
Connections..... 7
-Connect Audio / Video Cables..... 7
-Connect to other devices.....8
Basic Operations..... 10
-Play Video..... 10
-Change Video Play 11
-Playing Music..... 13
-Play a Photo slideshow..... 13
General Settings.....15
-Basic Operation for the Menu.....15
-General Player Settings..... 15
-Display Settings.....18
Specifications..... 20
Troubleshooting.....21

Safety and Maintenance

This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying product.

WARNING: To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. Appliance shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the appliance.

Security Instructions

Read all of the instruction before using this Blu-ray player and keep this manual in a safe place for future reference.

1. Read and keep these instructions.
2. Heed all warnings and follow all instructions.
3. Do not use this player near water.
4. Clean only with dry cloth.
5. Do not block any ventilation openings and install in accordance with the manufacturer’s instructions.
6. Do not install near any heat sources such as radiators, heat registers, or the player (including amplifiers) that produce heat.
7. Protect the power cord from being walked on or pinched particularly near the convenience receptacles, and the point where they exit from the player.
8. Use only with the cart, stand, tripod, bracket, table specified by the manufacturer or sold with the player. When a cart is used, use caution when moving the cart/player combination to avoid injury from tip-over.
9. Unplug this player during lightning storms or when unused for long periods of time.
10. Refer all servicing to qualified service personnel.

Servicing is required when the player has been damaged in any way, such as the power-supply cord or plug being damaged, liquid has been spilled or objects have fallen into the player, the player has been exposed to rain or moisture, does not operate normally, or has been dropped.

11. Please keep the unit in an environment with good ventilation.
12. WARNING: To reduce the risk of the fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the player.
13. WARNING: Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
14. Do not expose the batteries to excessive heat such as fire direct sunshine or similar sources.

CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

CLASS 1 LASER PRODUCT
Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

Trademark Notice
DVD Video is a trademark of DVD Format / Logo Licensing Corporation.
Blu-ray Disc and Blu-ray Disc logo are trademarks of the Blu-ray Disc Association.
Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS 2.0+Digital Out is a trademark of DTS, Inc. © DTS, Inc. All Rights Reserved.

Java and all other Java trademarks and logo are registered trademarks of Sun Microsystems, Inc.

Cinavia Notice
This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks. When a prohibited use of an unauthorized copy is detected, a message will be displayed and playback or copying will be interrupted.
If playback or copying is interrupted and one of the messages shown below is displayed, the content is an unauthorized copy protected by Cinavia technology.

Message	Cinavia Message Code
[Message(s) 1]	1
[Message(s) 2]	2
[Message(s) 3]	3
[Message(s) 4]	4

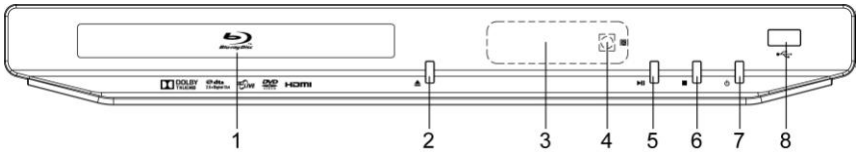
More information about Cinavia technology is provided at the Cinavia Online Consumer Information Center at http://www.cinavia.com. To request additional information about Cinavia by mail, send a postcard with your mailing address to: Cinavia Consumer information Center, P.O. Box 86851, San Diego, CA, 92138, USA.

IPR Message
Copyright 2004-2013 Verance Corporation. Cinavia™ is a Verance Corporation trademark. Protected by U.S. Patent 7,369,677 and worldwide patents issued and pending under license from Verance Corporation. All right reserved.

BD LIVE and BONUSVIEW are trademarks of the Blu-ray Disc Association.

CAUTION: This product utilizes a laser.
Do not open cover and do not repair yourself. Refer servicing to qualified personnel.

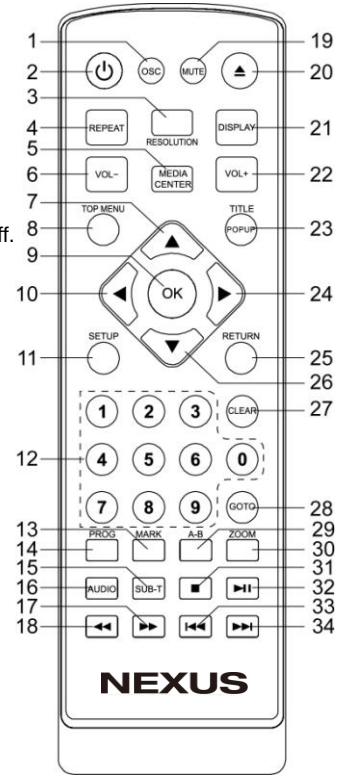
DVD Blu-ray Display



1. Disc Compartment
2. ⏏Open or close the disc compartment
3. Display panel
4. IR Sensor: Point the remote control at the IR sensor
5. ⏯ Start (resume) / pause play.
6. ■ Stop play
7. ⏻ Turn on / Turn off
8. USB

Front Panel Display	Description
LOAD BDMV SETUP	Loading a disc. Blu-ray disc is recognized. Setup menu is displayed

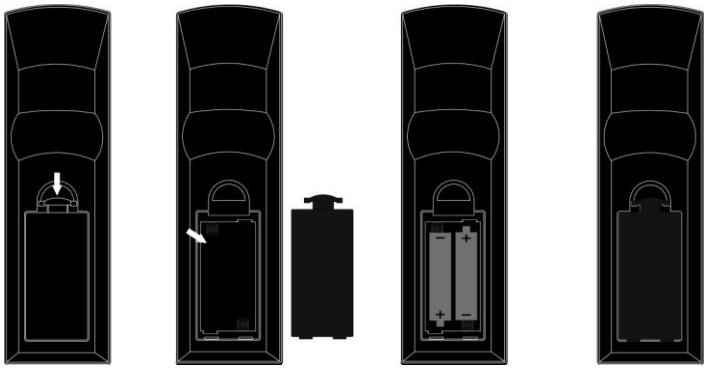
Remote Control



(1) OSC: To access On Screen Control Menu.
(2) Power: Turn on the player or switch it to standby mode.
(3) RESOLUTION: Press to change the resolution mode of the player.
(4) REPEAT: The specific repeat mode is different according disc type.
DVD: RepeatCH>RepeatTT>RepeatAll>Repeat Off.
CD/VCD: Repeat track>Repeat all> Repeat Off.
Playlist: Repeat file>Repeat playlist>Repeat Off.
(5) MEDIA CENTER: To turn on/off Media center.
(6) VOL-: Decreases volume.
(7) UP: Navigates through the Menus
(8) TOP MENU: To open the Top menu of BD/DVD video disc
(9) OK: Confirms an entry or selection
(10) LEFT: Navigates through the Menus
(11) SETUP: Access the SETUP menu.
(12) NUMBERS: For direct channel access.
(13) MARK: To bookmark at any point during playback.
(14) PROG: Edit the program and play..
(15) SUBTITLE: Select a subtitle language on a disc.
(16) AUDIO: Select an audio language.
(17) FAST FORWARD: Search forward.
(18) FAST REVERSE: Search backward.
(19) MUTE: To mute the sound and press again to restore.
(20) Open or close the disc compartment.
(21) DISPLAY the current status or the disc information.
(22) VOL+: Increases volume.
(23) TITLE: To open the Title menu of a disc.
(24) RIGHT: Navigates through the Menus.
(25) RETURN: Return to a previous display menu.
(26) DOWN: Navigates through the Menus.
(27) CLEAR: To clear an entry.
(28) GOTO: Jump to a user specified time during playback.
(29) A-B: Press A-B can repeat playback of a user defined section.
(30) ZOOM: To zoom it or zoom out.
(31) STOP: Stop play.
(32) PLAY/ PAUSE: Start (resume) / pause play.
(33) PREV: Skip to the previous title, chapter or track.
(34) NEXT: Skip to the next title, chapter or track.

-Remote Control Batteries

1. Open the battery compartment.
2. Insert 2 batteries AAA with the correct polarity (+/-) as indicated.
3. Close the battery compartment cover.



NOTE:

If you are not going to use the remote control for a long time, remove the batteries.
Do not mix old and new batteries.
Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, ni-mh, etc.) batteries.
Batteries can contain corrosive substances, so they should be disposed of properly.

CAUTION

Due to a risk of explosion. Keep batteries away from heat, direct sunshine or fire. Never discard batteries in fire.

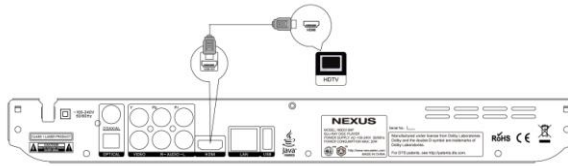
Connections

-Connect Audio / Video Cables

Connect this product to TV to view disc play. Select the best video connection that the TV can support.

1. Connect to the HDMI

Connect the HDMI cable (not supplied) to the HDMI jack on this product and to the HDMI input jack on the TV.



Tip

• You can optimize the video output by pressing the Resolution button repeatedly to select the best resolution the TV can support.

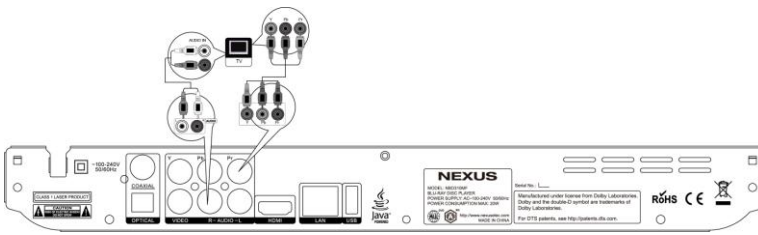
• To play the digital video images of a BD-video or DVD video via an HDMI connection, it is necessary that both this product and the display device (or an AV receiver/ amplifier) support a copyright protection system called HDCP (high-bandwidth digital content protection system)

• This type of connection provides the best picture quality.

2. Connect to Component Video

1. Connect the component video cables (not supplied) to the YPbPr jacks on this product. Then, connect the COMPONENT VIDEO input jacks on the TV.

2. Connect the audio cables to the AUDIO L/R-AV OUTPUT jacks on this product, and then connect the AUDIO input jacks on the TV.



Tip

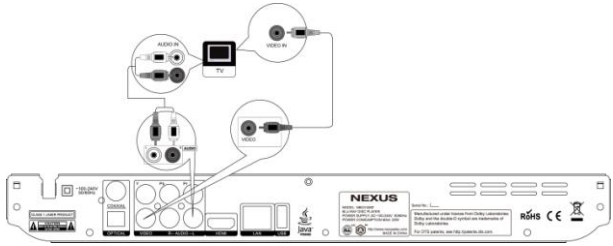
• The component video input jack on the TV might be labeled as Y Pb/Cb Pr/Cr or YUV.

3. Connect to Composite Video

1. Connect a composite video cable to the VIDEO jack on this product, then connect to the VIDEO input jack on the TV.

2. Connect the audio cables to the AUDIO L/R-AV OUTPUT jacks on this product, and then

connect the AUDIO input jacks on the TV.



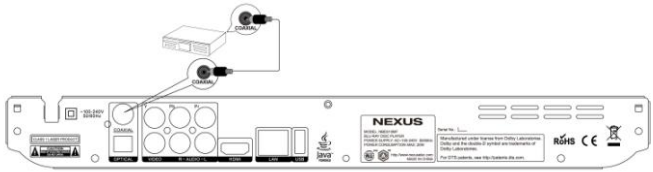
Tip

• This type of connection provides standard picture quality.

-Connect to other devices

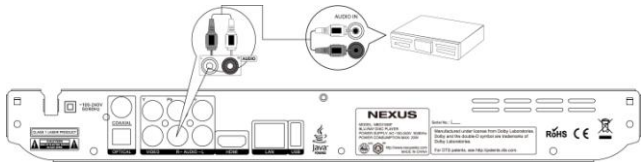
Connect to Digital Amplifier / Receiver

Connect a coaxial cable (not supplied) to the coaxial jack on this product, and then connect the coaxial/ digital input to the device.



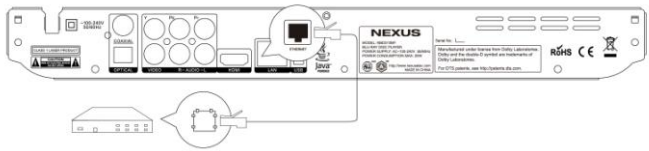
Connect Analog Stereo System

Connect the audio cables to the AUDIO L/R - AV Output in the Blu-ray player, then connect the AUDIO input to the device.



Connect Network

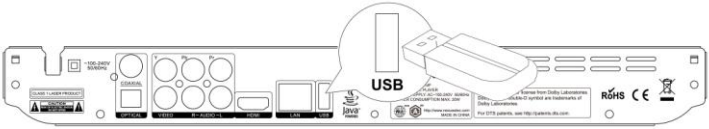
Connect this product to the network to enjoy software updates and BD-Live bonus content.



Connect the network cable (not supplied) to the LAN jack on this product and then connect the network cable to the LAN jack on the broadband modem or router.

Connect USB Device

A USB device provides an additional memory to enjoy software updates. BD-Live bonus content and media play.



Connect the USB device to the USB jack on this product.

Connect Power

CAUTION:

Before connecting the AC power cord, ensure you have completed all other connections.
Once the AC power cable has been connected to a wall socket the product is ready for use.

Note:

• Connect a USB device only to the USB jack on this unit.
We do not guarantee 100% compatibility with all USB devices.
To play the multi-media file on USB device. Press MEDIA CENTER on the remote.

Basic Operations

Turn On

Press ⏻ to turn on the Blu-ray disc player.
Turn on the TV and switch to the correct video input (refer to the TV user manual)

Setup Menu

Press SETUP to display the setup menu on the TV screen.

Navigate the Menu

When a menu is displayed, press the Navigation Keys on the remote control to navigate through it.

Select Menu Display Language

1. Select General Settings in SETUP Menu.
2. Press Up/Down buttons to select Language.
3. Press Right button to select OSD and press Right button again to enter the select menu, then you can select the language you want.
4. Press OK to confirm.

Play a Disc

1. Press ⏏ to open the disc compartment.
2. Insert a disc with the label facing up.
3. Press ⏏ to close the disc compartment and start disc play.
4. To stop disc play, press ■

PLAY VIDEO

Control Video Play

1. Play a title
2. Use the remote to control the play back

Button	Action
⏯	Start or resume play / Pause play.
■	Stop play.
⏮ ⏭	Skip to a previous/next title or chapter.
◀◀ ▶▶	Search fast-backward or fast-forward. Press repeatedly to change the search speed.

Note: For BD disc with Java application, the resume function is not available.

Display Menu

BD-video Disc

TOP MENU**:** Stops the video playing and returns to the disc menu. This feature is disc-dependent.
POPUP**:** will access the BD-video disc menu without interrupting disc play.

DVD-video disc

TOP MENU will display the root menu of a disc.
DISPLAY will display disc information and guide you through the available functions on the disc.

Change Video Play

Button	Action
Audio	Selects an audio language
SUBTITLE	Selects a subtitle language on a disc
REPEAT	Select or turn off repeat mode. Repeat options may vary from the disc type
DISPLAY	Display the current status or disc information
ZOOM	Zoom in/out of the video image
BOOK MARK	Bookmark the selected point during playback
A-B	When a disc is playing, pressing this button once will save a "start point" for repeating playback, Pressing this button again will save an "end point" for repeated playback. playback will repeat from the start point to the end point. The marked section for repeat play should be in one track/title
PROGRAM	Edit the program and play
GOTO	Jump to a user specified time during playback
OSC	Access options relating to the current activity or selection, and control the video playback

Playing a Blu-ray Video Disc

Blu-ray video discs have larger capacity and support features such as high-definition video, multichannel surround sound, Interactive menus and so on.

1. Insert a BD-video disc.
2. Playback will automatically start, or select a play option in the menu and press OK.
3. During playback, you can press TOP MENU to display additional information, features or content store on the disc.
4. During playback, you can press POPUP to display the disc menu without interrupting disc play.
5.During playback, press the [OSC] button on the RMC - the ON SCREEN MENU will be displayed.(As shown in the picture bellow)

second video【BD-V】: Displays the state of the second Video. Use direction key【▶】to open the second video selection box, then press【▲】/【▼】to select the full screen video and the second video window (picture in picture).

(A) Primary video (B) Second video

second Audio【BD-V】: Displays the state of the second Audio. Use the direction key【▶】to open the selection box, then press【▲】/【▼】to switch on/off the audio output.

Enjoy BD-LIVE

You can enjoy the BD-Live functions which enable you to use Interactive functions on the disc when the unit is connected to the Internet.

Example of BD-Live Interactive functions:

1. Additional content (such as movie trailers, subtitles and BD-Java, etc.) can be downloaded to a connected USB storage device.
2. Special video data may be played while being downloaded.
3. When a disc supporting BD-Live is played, the product or the disc's ID can be sent to the content provider via the Internet. Service and functions will differ depending on the disc.

Note

-The unit must be connected and set up to access Internet.
-Depending on the connection environment, it may take time to connect to the Internet.
-When BD-Live functions are used and the unit is connected to the Internet, your standard Internet service provider charges will apply.
-Follow the instruction given by the disc when using the BD-Live function.
-It is recommended to use a USB storage device for download the content (at least 1GB free space is recommended).

PLAYING MUSIC

Controlling music playback
Use the remote control to control the playback for audio file.

Button	Action
⏯	Start or resume play / Pause play.
■	Stop Play
⏮ ⏭	Skip to a previous or next title or chapter
◀◀ ▶▶	Search fast-backward or fast-forward. Press repeatedly to change the search speed.
1 2 3 4 5 6 7 8 9 0	Select an item to play
REPEAT	Select or turn off repeat mode

PLAYING A PHOTO SLIDESHOW

You can play JPEG on the player as a slideshow.
1. Insert a disc or USB device that contains JPEG files
2. Select a Photo folder, then press OK to open.
-To select a Photo, use the Navigation buttons.
-To enlarge the selected Photo and start slideshow, press OK.

Note:

-It may require more time to display the disc content on your TV if there is a large number of songs/ photos compiled onto one disc.
-This product can only display digital camera Pictures in the JPEG-EXIF format, typically used by almost all digital cameras. It cannot display Motion JPEG, or Pictures in formats other than JPEG, or sound clips associated with Pictures.
-Folders/files that exceed the supported limit of this product cannot be displayed or played.

Controlling Photo slideshow

1. Begin a Photo slideshow.
2. Use the remote control to control the play as follows:

Button	Action
◀ ▶	Rotate a photo
▲ ▼	Flip a photo
■	Stop play

Set slideshow interval and animation

1. During slideshow playback, press OSC. The options menu will be displayed.
2. Navigate the options with the Navigation button.
3. Select an option in the menu, then press OK.
4. Press OK.

Playing music during a Photo slideshow

Create a musical slideshow to play both CD music files and JPEG Photo files simultaneously.

Note:

Create a musical slideshow, you must store the CD and JPEG files on the same disc as the photos.

1. Select your CD music to play and start play-back.
2. Press Media Center to return to the main menu.
3. Navigate to enter a photo folder, then press OK to start slideshow play.

-Slideshow begins and continues till the end of the photo folder.

-Audio continues to play until the end of the disc.

-To stop the slideshow play, Press■

-To stop the music play, press ■ again.

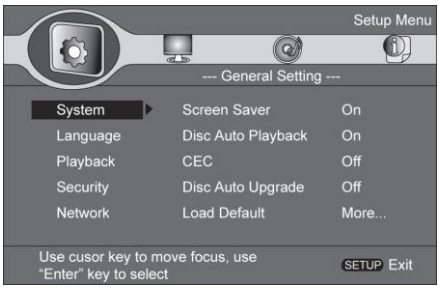
General Settings

BASIC OPERATION FOR THE MENU

1. Press STOP twice during playback
2. Press SETUP, the SETUP MENU display on the screen.
3. Select a main menu by LEFT/RIGHT.
4. Select the menu you want by UP/DOWN buttons and press RIGHT to enter.
You can press UP to return to the main menu.
5. Select the option by UP/DOWN and press RIGHT.
You can press LEFT to return to the previous menu.
6. Select by UP/DOWN buttons and press OK to confirm.
You can press LEFT to return to the previous menu.
7. To return to the main menu from any submenu, press RETURN.
8. To exit the menu, press SETUP.

GENERAL PLAYER SETTINGS

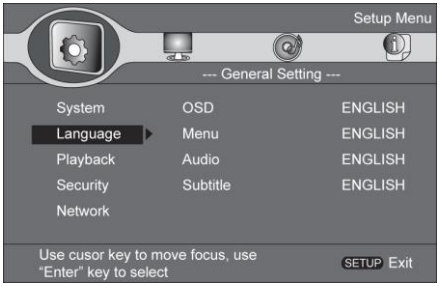
SYSTEM



1. Screen Saver: Turns the screen saver on/off. The screen saver will display in 3 mins if there is no operation when the unit is turned on.
2. Disc Auto Playback: Turns the disc auto playback function on/off.
3. CEC: Turns the CEC function on/off.
4. Disc Auto Upgrade: Turns the Disc Auto Upgrade function on/off.
5. Load Default: Return the player to its default settings.
6. Upgrade: select this when you want to upgrade your player software to the latest version.
7. Easy setup: Make default settings Fast.
8. BUDA: Define memory for BD-J.

* Notice : BUDA Setup has two-submenu of "External" & "On board". If you choose "External", you must connect USB first.

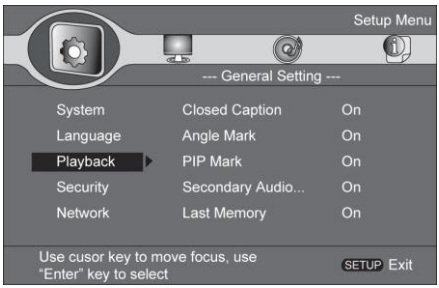
LANGUAGE



1. OSD: Selects the OSD language.
2. Menu: Selects the menu language of the disc.
3. Audio: Selects the audio language for the program.
4. Subtitle: Selects the subtitle language for the program.

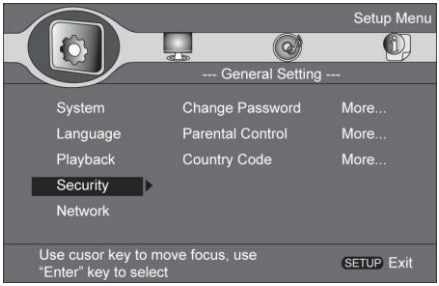
Note:
You have to select the audio and subtitle language according to the requirements on the disc.

PLAYBACK



1. Closed Caption: Turn on/off the CC function.
2. Angle Mark: Turn on/off the Angle mark function.
3. PIP Mark: Turn on/off the PIP mark function
4. Secondary Audio Mark: Turn on/off Secondary Audio mark function.
5. Last Memory: Turn on/off the last memory function
6. PBC: Turn the PBC function on/off.

SECURITY



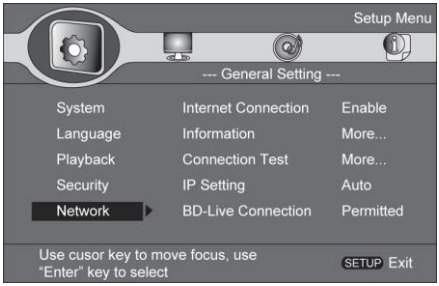
1. Change Password: Changes the password for parental control menu.
2. Parental Control: to set the parental control.
3. Country Code: Select the Country code.

Note:

The original code is 0000. The code can be changed by user.

NETWORK

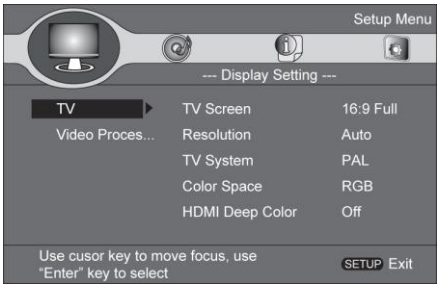
• Connect this product to a broadband MODEM or router.
• This player will start to detect if there is a connection to the network.
• If the connection test fails, select (Retry) and press OK to try and re-connect to the network again.



1. Internet Connection: Displays the Internet connection state.
2. Information:Displays information of the current Network.
3. Connection Test: Tests the Internet connection state.
4. IP Setting: Sets the IP for the player.
5. BD-Live Connection: Connection situation of BD-Live.
6. Proxy Setting: Setup Proxy Server.

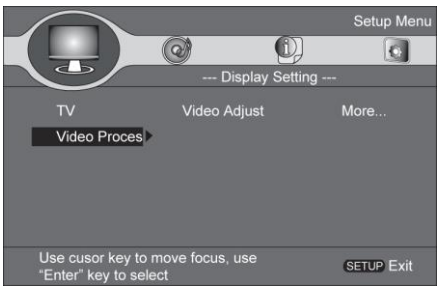
-DISPLAY SETTINGS

TV

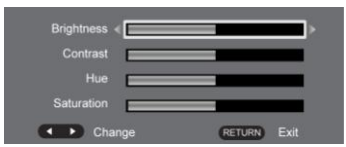


1. TV Screen: Selects the display mode for the TV.
2. Resolution: Selects the resolution for the TV.
3. TV System: Selects the TV system type.
4. Color Space: Selects the color space.
5. HDMI Deep Color: Selects the color for HDMI.
6. HDMI 1080 24Hz: Enable/disable this settings.

VIDEO PROCESSING



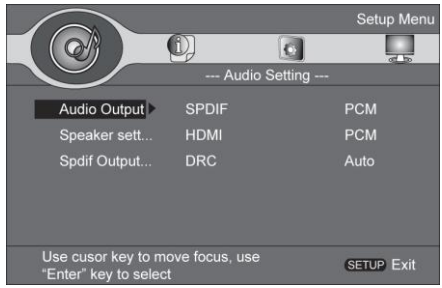
1. Video Adjust: Enter the submenu to adjust the video display.



Adjust the Brightness, Contrast, Hue, Saturation of the screen to suit.

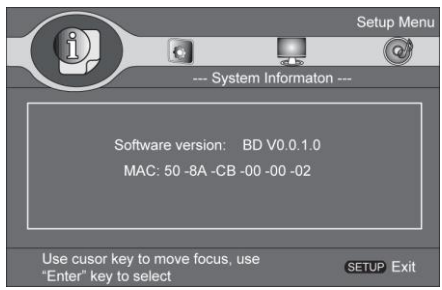
AUDIO SETTING

1. SPDIF: Selects the SPDIF mode.
2. HDMI: Selects the HDMI mode.
3. DRC: Dynamic range compression.



Speaker Setting: Selects speaker output
1. configuration: channels 2x
2. Test Tone:

SYSTEM INFORMATION


Setup Menu
--- System Informaton ---
Software version: BD V0.0.1.0
MAC: 50 -8A -CB -00 -00 -02
Use cusor key to move focus, use
"Enter" key to select
SETUP Exit

Displays the system information (Information in the picture above is for reference only)

CLEAN DISCS

Wipe the disc with a Micro Fibre Cleaning Cloth from the centre to the edge in a straight line movement.

Note
To prevent possible damage of this product do not turn off the power or remove the USB flash drive while the software update is in progress.

Caution
Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs to clean the player.

Specifications

Playback disc formats
BD, BD-R, BD-RE, DVD-R/RW, DVD+R/RW, DVD-Video, VCD, CD, CD-R/RW

Video formats
H.264/VC1/MPEG-1/MPEG-2/MPEG-4/WMV

Audio formats
Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS,

Photos
JPEG, PNG, GIF,

Accessories supplied
• Remote control and batteries.
• User manual.
• Composite Audio/Video cables

Video
• Signal system: PAL / NTSC
• Composite video output: 1 Vp-p (75 ohm)
• Y: 1 Vp-p (75 ohm)
• Pb: 0.7 V-pp (75 ohm)
• Pr: 0.7 V-pp (75 ohm)
• Component video output: 480i/576i, 480p/576p, 720p, 1080i.
• HDMI video output: Auto, 480i/576i, 480p/576p, 720p, 1080i, 1080p, 1080p@24Hz.

Audio
• 2.0 Channel analog output.
  -Audio Front L&R: 2 Vrms (> 1 kohm)
• Digital output: 0.5-Vp-p (75 ohm)
  -Coaxial
• HDMI output

USB
• As additional USB memory for software updates are storing BD-Live bonus contents.

Main unit

• Power supply rating:100-240V~50/60Hz
• Power consumption in standby mode:<1W
• Dimensions (w x h x d): 360 x 201 x 40 (mm)
• Net Weight: 1.3kg
-BD: 405 + 5nm/-5nm
-DVD:650 + 13NM/-10NM
-CD:790+15NM/-15NM

Troubleshooting

WARNING: Before requesting after service please check this possible resolution. Risk of electric shock. Never remove the casing of the product. To keep the warranty valid, never try to repair the product yourself.

No reaction to the remote control	• Make sure the player is connected to a power outlet. • Insert the batteries correctly • Point the remote control at the IR sensor located on the front panel of this product. • If the remote still does not function, try putting new batteries into the remote control.
No picture	• See TV manual for correct video input selection. Change the video until you see the screen.
No picture on HDMI connection	• If this player is connected to an unauthorized display device with an HDMI cable, the audio/video signal may not be displayed • Check if the HDMI cable is faulty. If faulty or damaged, replace the HDMI cable. • If this happens when you change the [resolution] setting, press Resolution on the remote control repeatedly until the picture appears.
High-definition video signal not playing on the TV	• Ensure that the audio cables are connected to the audio input of the TV • Assign the audio input of the TV to the corresponding video input. See the TV user manual for details.
No sound on HDMI connection	• You may not hear any sound from the HDMI output if the connected device is non-HDCP compliant or only DIVI compatible.

Disc cannot be played	• Ensure that the disc is loaded properly • Ensure that this player supports the disc. See Specifications. • Ensure that this player supports the region code of the DVD or BD • For DVD+RW, ensure that the disc is finalized. • Clean the disc
Data Files cannot be played or read	• Ensure that the data file was recorded in the standard UDF, ISO9660 or JOLIET format. • Ensure that the JPEG file extension .jpg, JPG, jpeg or JPEG
Not entry sign appears on the TV	• The requested operation is not possible
Unable to access BD-Live feature	• Check the network internet connection or ensure that the network Internet connection has been set up • Clear USB storage • Ensure that the BD disc supports BD Live Feature.

NEXUS
Nexus Electronics.co.Ltd

LIMITED WARRANTY

Nexus Electronics Co., Ltd. will repair or replace without charge at its option, your product which proves to be defective in material or workmanship under normal use, during the warranty period listed below from the date of original purchase.

WARRANTY PERIOD

MODEL#	LABOR	PARTS
All NEXUS Products	1 Year	1 Year

No other express warranty is applicable to this product. The duration of any implied warranties, including the implied warranty of merchantability, is limited to the duration of the express warranty herein.
Nexus Electronics Co., Ltd. shall not be liable for the loss of the use-of the product, inconvenience, loss or any other damages, direct or consequential, arising out of the use of, or inability to use, this product or for any breach of any express or implied warranty, including the implied warranty of merchantability applicable to this product.

THE ABOVE WARRANTY DOES NOT APPLY :

- To damages or problems which result from delivery or improper installation
- To damages or problems which result from misuse, abuse, accident, alteration, or incorrect electrical current or voltage.
- To service calls, which do not involve defective workmanship or material, such as head cleaning and explaining the operation of the unit.
  Therefore these costs are paid by the consumer.

To prove warranty coverage :

Retain your sales receipt to prove date of purchase.
Copy of your sales receipt must be submitted at the time warranty service is provided.
Without receipt of proof of purchase, no warranty will be honored.

CUSTOMER SERVICE ASSISTANCE

Nexus Electronics Co., Ltd.
4F, Ggumeheim B/D, 9, Eonju-ro 138-gil, Gangnam-gu, Seoul, Korea
TEL : +82-70-4800-5007,
FAX : +82-2-3453-3570
E-MAIL : cs1@nexuselec.com,
WEB : www.nexuselec.com

Serial Number:	***Customer Name:***
	E-mail:
	Phone:
	Date of original purchase:
	Location of original purchase: